

What is claimed is:

1. The styrenic thermoplastics composition comprising:
100 parts by weight of a resin comprising 10-50 parts by
weight of a graft copolymer comprising rubber-modified styrene
5 and 30-70 parts by weight of a copolymer comprising styrene;
and

0.5-20 parts by weight of an acrylic rubber-modified
copolymer having a rubber particle size ranging from 800 to
6,000 Å.

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2. The styrenic thermoplastics composition of claim 1,
wherein the graft copolymer comprising rubber-modified styrene
comprises:

30-65 parts by weight of at least one selected from the
15 group consisting of styrene, α -methylstyrene, *p*-methylstyrene,
vinyltoluene and *t*-butylstyrene;

10-30 parts by weight of at least one selected from the
group consisting of acrylonitrile, methacrylonitrile and
ethacrylonitrile; and

20 10 - 60 parts by weight of a rubber.

3. The styrenic thermoplastics composition of claim 2,
wherein the rubber is polybutadiene, styrene-butadiene
copolymer, polyisoprene or butadiene-isoprene copolymer
25 having a particle size ranging from 500 to 4,000 Å.

4. The styrenic thermoplastics composition of claim 1,
wherein the copolymer comprising styrene comprises:

50-90 parts by weight of at least one selected from the
5 group consisting of styrene, α -methylstyrene, *p*-methylstyrene,
vinyltoluene and *t*-butylstyrene; and

10-50 parts by weight of at least one selected from the
group consisting of acrylonitrile, methacrylonitrile and
ethacrylonitrile.

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5. The styrenic thermoplastics composition of claim 1,
wherein the copolymer comprising styrene has a weight-average
molecular weight ranging from 50,000 to 200,000.

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6. An extrusion sheet manufactured from the styrenic
thermoplastics composition of claim 1.

7. An acrylic rubber-modified copolymer comprising:

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5 - 15 parts by weight of a seed polymerized from an alkyl
acrylate;

45-75 parts by weight of a core polymerized from an alkyl
acrylate; and

10-50 parts by weight of a shell polymerized from an alkyl
methacrylate and/or an alkyl acrylate.

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8. The acrylic rubber-modified copolymer of claim 7, wherein the seed comprises 95.0-99.95 wt% of an alkyl acrylate having 2-8 carbon atoms in the alkyl group.

5 9. The acrylic rubber-modified copolymer of claim 7, wherein the core comprises 95.0-99.95 wt% of an alkyl acrylate having 2-8 carbon atoms in the alkyl group.

10 10. The acrylic rubber-modified copolymer of claim 7, wherein the shell comprises:

90-100 wt% of an alkyl methacrylate having 1-4 carbon atoms in the alkyl group; and

0 - 10 wt% of an alkyl acrylate having 1-4 carbon atoms in the alkyl group.

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11. The acrylic rubber-modified copolymer of claim 8 or claim 9, wherein the alkyl acrylate is at least one selected from the group consisting of methyl acrylate, ethyl acrylate, propyl acrylate, isopropyl acrylate, butyl acrylate, hexyl
20 acrylate, octyl acrylate, 2-ethylhexyl acrylate, homopolymers thereof and copolymers thereof.

12. The acrylic rubber-modified copolymer of claim 10, wherein the alkyl methacrylate having 1-4 carbon atoms in the
25 alkyl group is at least one selected from the group consisting

of methyl methacrylate, ethyl methacrylate, propyl methacrylate, isopropyl methacrylate and butyl methacrylate.

13. The acrylic rubber-modified copolymer of claim 10,
5 wherein the alkyl acrylate having 1-4 carbon atoms in the alkyl group is at least one selected from the group consisting of ethyl acrylate, methyl acrylate and butyl acrylate.

14. The acrylic rubber-modified copolymer of claim 7,
10 which has a rubber particle size ranging from 800 to 6,000 Å.